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1888

Pottery & Glassware Rept 3/10/88 — cl.

A NEW OPTICAL GLASS.—Professor Abbe, of Jena, has been experimenting with a view to produce an optical glass which would be free from the defects incidental to all silica glasses. In particular, he sought to produce a higher degree of achromaticity than was hitherto possible, by diminishing the secondary coloring effects inseparable from the ordinary silicate flint and crown glasses, and to produce a greater multiplicity of gradations of optical glass in respect of the two great constants of the index of refraction and the mean dispersion. In silicate glasses those two constants increase and decrease together. Cases often arise in which a different relation is desirable. Professor Abbe has produced glasses in which both objects are fulfilled. He has produced achromatic lenses of a more perfect kind than were ever before obtainable, and has introduced a whole series of new glasses of graduated properties. These are offered freely to the trade without any restriction or patent being allowed to stand in the way of further development.

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O.L.